



\*\*FILE\*\*ID\*\*CENTXT

N 13

CCCCCCCC CCCCCCCC EEEEEEEEEE NN NN TTTTTTTTTT XX XX TTTTTTTTTT  
CCCCCCCC CCCCCCCC EEEEEEEEEE NN NN TTTTTTTTTT XX XX TTTTTTTTTT  
CC EE NN NN NN NN TT XX XX TT  
CC EE NN NN NNNN NN TT XX XX TT  
CC EE NNNN NN NN TT XX XX TT  
CC EE NNNN NN NN TT XX XX TT  
CC EEEEEEEE NN NN NN TT XX XX TT  
CC EEEEEEEE NN NN NN TT XX XX TT  
CC EE NN NNNN TT XX XX TT  
CC EE NN NNNN TT XX XX TT  
CC EE NN NN TT XX XX TT  
CC EE NN NN TT XX XX TT  
CC EE NN NN TT XX XX TT  
CC EEEEEEEE NN NN NN TT XX XX TT  
CC EEEEEEEE NN NN NN TT XX XX TT

.....  
.....

LL IIIII SSSSSSS  
LL IIIII SSSSSSS  
LL II SS  
LL II SS  
LL II SS  
LL II SSSSS  
LL II SSSSS  
LL II SS  
LL II SS  
LL II SS  
LLLLLLLL LLLLIII SSSSSSS  
LLLLLLLL LLLLIII SSSSSSS

CL  
VO

```
1 0001 0 MODULE CENTXT (
2 0002 0 IDENT = 'V04-000'!
3 P 0003 0 %BLISS32[
4 P 0004 0 ADDRESSING_MODE(INTERNAL=LONG_RELATIVE,NONEXTERNAL=LONG_RELATIVE)
5 0005 0 ]
6 0006 0 )
7 0007 1 BEGIN
8 0008 1
9 0009 1 ****
10 0010 1 *
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28 0028 1 *
29 0029 1 *
30 0030 1 ****
31 0031 1 *
32 0032 1 ++
33 0033 1 FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS
34 0034 1
35 0035 1 ABSTRACT: Centers and outputs a single line of text.
36 0036 1
37 0037 1
38 0038 1 ENVIRONMENT: Transportable
39 0039 1
40 0040 1 AUTHOR: R.W.Friday CREATION DATE: December, 1978
41 0041 1
```

CENTXT  
V04-000

Revision History

C 14  
15-Sep-1984 23:55:58    VAX-11 Bliss-32 V4.0-742  
14-Sep-1984 13:05:39    [RUNOFF.SRC]CENTXT.BLI;1

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CLP  
V04

43        0042 1 %SBTTL 'Revision History'  
44        0043 1  
45        0044 1    MODIFIED BY:  
46        0045 1  
47        0046 1    002        KFA00002        Ken Alden        07-Mar-1983  
48        0047 1        Global edit of all modules. Updated module names, idents,  
49        0048 1        copyright dates. Changed require files to BLISS library.  
50        0049 1  
51        0050 1 !--

```
53 0051 1 %SBTTL 'Module Level Declarations'  
54 0052 1  
55 0053 1  
56 0054 1 | TABLE OF CONTENTS:  
57 0055 1  
58 0056 1  
59 0057 1 | INCLUDE FILES:  
60 0058 1  
61 0059 1  
62 0060 1 LIBRARY 'NXPORT:XPORT'; | XPORT Library  
63 0061 1 REQUIRE 'REQ:RNODEF'; | RUNOFF variant definitions  
64 0192 1  
U 0193 1 %IF DSRPLUS %THEN  
U 0194 1 LIBRARY 'REQ:DPLLIB'; | DSRPLUS BLISS Library  
67 0195 1 %ELSE  
68 0196 1 LIBRARY 'REQ:DSRLIB'; | DSR BLISS Library  
69 0197 1 %FI  
70 0198 1  
71 0199 1 | MACROS:  
72 0200 1  
73 0201 1  
74 0202 1  
75 0203 1 | EQUATED SYMBOLS:  
76 0204 1  
77 0205 1  
78 0206 1 EXTERNAL LITERAL  
79 0207 1 RINTES : UNSIGNED (8);  
80 0208 1  
81 0209 1 | OWN STORAGE:  
82 0210 1  
83 0211 1  
84 0212 1  
85 0213 1 | EXTERNAL REFERENCES:  
86 0214 1  
87 0215 1  
88 0216 1 EXTERNAL  
89 0217 1 IRA,  
90 0218 1 KCHAR,  
91 0219 1 SCA : SCA_DEFINITION,  
92 0220 1 TSF : TSF_DEFINITION;  
93 0221 1  
94 0222 1 EXTERNAL ROUTINE  
95 0223 1 ENDCHR,  
96 0224 1 OUTNJ,  
97 0225 1 RSKIP$;  
98 0226 1
```

```
100      0227 1 GLOBAL ROUTINE CENTXT (TEXT_PTR, TEXT_LENGTH) =
101      0228 1
102      0229 1 ++
103      0230 1 FUNCTIONAL DESCRIPTION:
104      0231 1
105      0232 1 Beginning with the current position on the current record,
106      0233 1 CENTXT skips tabs and spaces until it encounters something
107      0234 1 else. If that "something else" is the end-of-record
108      0235 1 indicator (';' or RINTES), it outputs the text supplied.
109      0236 1 If the "something else" is not the end-of-record indicator,
110      0237 1 no text is output.
111      0238 1
112      0239 1 FORMAL PARAMETERS:
113      0240 1
114      0241 1 TEXT_PTR is a CH$PTR to the text to be centered and output.
115      0242 1 TEXT_LENGTH is the length of the text.
116      0243 1
117      0244 1 IMPLICIT INPUTS: None
118      0245 1
119      0246 1 IMPLICIT OUTPUTS: None
120      0247 1
121      0248 1 ROUTINE VALUE:
122      0249 1 COMPLETION CODES:
123      0250 1
124      0251 1 Returns TRUE if the text was centered and output (i.e.,
125      0252 1 end-of-record was found), otherwise FALSE.
126      0253 1
127      0254 1 SIDE EFFECTS: None
128      0255 1
129      0256 1 --
130      0257 1
131      0258 2 BEGIN
132      0259 2 LOCAL
133      0260 2 PTR;
134      0261 2
135      0262 2 !Determine if text was given on the current record.
136      0263 2 RSKIP (IRA); !Skip spaces and tabs.
137      0264 2
138      0265 2 IF .KCHAR EQL RINTES !
139      0266 2 OR .KCHAR EQL %C';'
140      0267 2 THEN
141      0268 2 !No text on the record. Output the specified text, centered.
142      0269 3 BEGIN
143      0270 3 PTR = .TEXT_PTR;
144      0271 3
145      0272 3 INCR I FROM 1 TO .TEXT_LENGTH DO
146      0273 3     ENDCHR (CH$RCHAR_A(PTR));
147      0274 3
148      0275 3 !Normally, the text will fit between the margins, since
149      0276 3 this is not "user" text. However, just to be certain,
150      0277 3 if it can't be centered, leave it far to the left.
151      0278 3 TSF_ADJUST = MAX ((.SCA_RM - .SCA_LM - .TEXT_LENGTH)/2, 0);
152      0279 3 !Output the line containing the centered text.
153      0280 3 OUTNJ ();
154      0281 3 RETURN TRUE;
155      0282 3 END
156      0283 2 ELSE
```

CENTXT  
V04-000

## Module Level Declarations

F 14  
15-Sep-1984 23:55:58  
14-Sep-1984 13:05:39  
VAX-11 BLiss-32 V4.0-742  
[RUNOFF.SRC]CENTXT.BLI;1Page 5  
(4)

```
: 157 0284 2 RETURN FALSE
: 158 0285 2
: 159 0286 1 END;
```

!End of CENTXT

```
.TITLE CENTXT
.IDENT \V04-000\
```

```
.EXTRN RINTES, IRA, KHAR
.EXTRN SCA, TSF, ENDCHR
.EXTRN OUTNJ, RSKIPS
```

```
.PSECT $CODE$, NOWRT, 2
```

			001C 00000	.ENTRY CENTXT, Save R2,R3,R4 ; 0227
		54 00000000G	EF 9E 00002	MOVAB KHAR, R4
		00000000G	EF 9F 00009	PUSHAB IRA
		00000000G	01 FB 0000F	CALLS #1, RSKIPS
		EF 00000000G	64 D1 00016	CMPL KHÁR, #RINTES
		00000000G	05 13 0001D	BEQL 1\$
		8F 00000000G	64 D1 0001F	CMPL KHAR, #59
		3B 00000000G	44 12 00022	BNEQ 5\$
		EF 00000000G	53 04 00024	MOVL TEXT_PTR, PTR
		00000000G	52 D4 00028	CLRL I
		F1 00000000G	0A 11 0002A	BRB 3\$
		EF 00000000G	83 9A 0002C	MOVZBL (PTR)+, -(SP)
		EF 00000000G	01 FB 0002F	CALLS #1, ENDCHR
		52 00000000G	AC F3 00036	AOBLEQ TEXT_LENGTH, I, 2\$
		51 00000000G	EF D0 0003B	MOVL TSF, R1
		50 00000000G	FF 00000000G	SUBL3 ASCA+116, ASCA+120, R0
		50 00000000G	FF C3 00042	SUBL2 TEXT_LENGTH, R0
		08 00000000G	50 C2 0004E	DIVL2 #2, R0
		08 00000000G	50 C6 00052	BGEQ 4\$
		08 00000000G	02 18 00055	CLRL R0
		08 00000000G	50 D4 00057	MOVL R0, 40(R1)
		08 00000000G	00 FB 0005D	CALLS #0, OUTNJ
		08 00000000G	01 D0 00064	MOVL #1, R0
		08 00000000G	04 00067	RET
		08 00000000G	50 D4 00068	CLRL R0
		08 00000000G	04 0006A	RET

: Routine Size: 107 bytes, Routine Base: \$CODE\$ + 0000

```
: 160 0287 1
: 161 0288 1 END
: 162 0289 0 ELUDOM
```

!End of module

## PSECT SUMMARY

Name	Bytes	Attributes
------	-------	------------

CENTXT  
VO4-000

Module Level Declarations

G 14  
15-Sep-1984 23:55:58 VAX-11 Bliss-32 v4.0-742  
14-Sep-1984 13:05:39 [RUNOFF.SRC]CENTXT.BLI;1

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(4)

: \$CODE\$

107 NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
\$255\$DUA28:[SYSLIB]XPORT.L32:1	590	0	0	252	00:00.1
-\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32:1	1248	9	0	86	00:00.3

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LISS:CENTXT/OBJ=OBJ\$:CENTXT MSRC\$:CENTXT/UPDATE=(ENH\$:CENTXT)

: Size: 107 code + 0 data bytes  
: Run Time: 00:03.3  
: Elapsed Time: 00:08.7  
: Lines/CPU Min: 5222  
: Lexemes/CPU-Min: 8566  
: Memory Used: 33 pages  
: Compilation Complete

0337 AH-BT13A-SE  
VAX/VMS V4.0

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SETCAS REQ	VR REQ	ALINE LIS	BARS LIS	CARAGE LIS	CLH LIS	CNTXT LIS
SAVSTK REQ	TOCR TY REQ	XTN TAB REQ	AREC LIS	CAPTION LIS	CLP LIS	CNTXT LIS
SCA REQ	TPROB REQ	CNTVMSREQ R32	BOTPAG LIS	CLP LIS	CNTXT LIS	CNTXT LIS
TSF REQ	NOXUMSREQ R32	CLP LIS	CLP LIS	CLP LIS	CNTXT LIS	CNTXT LIS
SAVE REQ	CLP LIS	CLP LIS	CLP LIS	CLP LIS	CNTXT LIS	CNTXT LIS